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(3 pages)



June 21, 2013

Ms. Nancy Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

RE: Defect Information Report

Dear Ms. Lewis:

Pursuant to Part 573 of Title 49 of the Code of Federal Regulations, Hyundai America Technical Center is submitting information concerning a recall that is being voluntarily initiated. Specific information as required by Section 573.6 is as follows:

573.6(c)(1)

Manufacturer - Hyundai Motor Company

Distributor - Hyundai Motor America

Distributor - Hyundai de Puerto Rico

573.6(c)(2)

2012 and 2013 model year Hyundai Azera vehicles produced beginning on May 22, 2012 through November 23, 2012 are affected.

Component Manufacturer Identification: Autoliv Korea
436-1, Song-Ri, Dongtan-Mynu, Hwasung-City,
Gyeonggi-Do, Korea
82-31-379-6500

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HATCI is an authorized representative of both Hyundai Motor Company and Kia Motors Corporation; which are separate and distinct automotive manufacturers.

Hyundai-Kia America Technical Center, Inc.

573.6(c)(3)

Approximately 5200 2012 and 2013 model year Hyundai Azera vehicles are affected in the United States. Five Hyundai Azera vehicles are affected in Puerto Rico.

573.6(c)(4)

All of the vehicles identified above in 573.6(c)(2) are potentially affected.

573.6(c)(5)

The 2012 and 2013 Hyundai Azera utilizes a capacitive-type occupant detection system to measure the frequency response of the front passenger to discriminate between an adult and a child (or child restraint seat). Hyundai has determined that a change in the fabric material on the sensor mat occurring at the unit component supplier could impact the ability of the sensor to properly classify an occupant. The fabric change created the potential for the system to improperly identify a “wet” seat condition that may set a diagnostic code and impact the system’s ability to detect circumstances when deactivation of the front passenger airbag is appropriate. The failure of the system to deactivate the airbag under certain conditions could result in injury in the event of a crash.

573.6(c)(6)

In November 2012, the airbag sensor supplier informed Hyundai about a change that had been made at a sub-supplier to the ripstop fabric material on the sensor mat. The fabric change could potentially impact the conductivity of the mat and therefore the ability of the sensor to properly distinguish when the front passenger airbag should be deactivated in accordance with the design intent of the occupant classification system. The fabric change impacted vehicles manufactured between May 22, 2012 and November 23, 2012. A recalibration was made in production and to vehicles within Hyundai’s control as of November 23, 2012.

A review of warranty claims found two claims as of that time indicating that the airbag warning light had illuminated with a diagnostic code for a “wet” seat. One claim included multiple diagnostic codes that had been addressed pre-delivery. The second claim had been addressed by replacing the system as a whole. Hyundai continued to monitor the market for any instances of potential misclassification. Between November, 2012 and May, 2013, Hyundai received three warranty claims involving the illumination of the airbag warning light with a diagnostic code for a “wet” seat. Investigation did not reveal problems with the connectors, transportation damage or wet conditions that could impact the operation of the occupant classification system. Hyundai has determined that the illumination of the airbag warning lights could be associated with the fabric change made at the unit component supplier and has decided to conduct a safety recall to recalibrate the system in vehicles produced between May 22, 2012 and November 23, 2013 to address this condition.

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573.6(c)(8)

Hyundai Motor America will notify all owners of the Hyundai vehicles described in 573.6(c)(2) above to return their vehicles to their Hyundai dealers to recalibrate or repair the airbag system.

Hyundai anticipates that owners will begin to be notified by mail during the third quarter of 2013 after NHTSA has approved the owner notification letter.

The Occupant Classification System for the vehicles affected by this recall are covered for 5 years or 60,000 miles under Hyundai's new vehicle limited warranty. As owners of these vehicles would not have incurred expenses for the warranted repair as a result of this condition, no notification regarding reimbursement under section 577.11 is necessary.

573.6(c)(10)

A draft of the Technical Service Bulletin will be forwarded when available.

A draft copy of the dealer communication will be forwarded when available.

573.6(c)(11)

A draft of the owner notification letter will be forwarded when available.

573.6(c)(12)

Hyundai has assigned "Campaign 111" as the designation for the campaign.

Sincerely,



Robert Babcock
Director, HATCI Certification and Compliance Affairs